

# **DarkSide-UK Cold test stand integration call**

## **Report of Contributions**

Contribution ID: 4

Type: **not specified**

## Signal cable and feedthrough plans

*Monday, 27 May 2024 10:05 (1 hour)*

DB50 signal feedthroughs into CAEN VX2745 using custom HDMI adapter PCB for pin headers on front panel.

DB50 power feedthroughs into either CAEN or desktop Keithley/Keysight power supplies.

Grounding and cable shielding.

Contribution ID: 5

Type: **not specified**

## Light source updates

*Monday, 27 May 2024 10:05 (1 hour)*

Working on stiff design for connecting fiber to laser coupler.

Task for Liverpool: Share diffuser positions and check with simulations if coverage is acceptable.

Considering working towards a light source available late December if possible - TBD.

Contribution ID: 6

Type: **not specified**

## Edinburgh test stand updates

*Monday, 27 May 2024 10:05 (1 hour)*

MIDAS is working. Will look at setup steps for other test stands.

Contribution ID: 7

Type: **not specified**

## **Astrocent test stand updates**

*Monday, 27 May 2024 10:05 (1 hour)*

Schedule:

[https://docs.google.com/spreadsheets/d/1VkfDMUSEm2nXOUux-wnFonVq2NV\\_Z2mnwiRTxISHs3c/edit#gid=653252054](https://docs.google.com/spreadsheets/d/1VkfDMUSEm2nXOUux-wnFonVq2NV_Z2mnwiRTxISHs3c/edit#gid=653252054)

Astrocent will use CAEN VX2740 boards.

Contribution ID: 8

Type: **not specified**

## **Lancaster test stand updates**

*Monday, 27 May 2024 10:05 (1 hour)*

Contribution ID: 9

Type: **not specified**

## **RHUL test stand updates**

*Monday, 27 May 2024 10:05 (1 hour)*

Contribution ID: **10**

Type: **not specified**

## Liverpool test stand updates

*Monday, 27 May 2024 10:05 (1 hour)*

Liverpool construction schedule:

<https://docs.google.com/spreadsheets/d/1xaXyx5qR3-0kjym95AVhqFfvZychM2DMPLjtj5JwIV4/edit?usp=sharing>